

Abstract

Pressure feed valve

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What is disclosed is a pilot-controlled pressure feed valve comprising a main stage and a pilot control stage, wherein the main stage comprises a piston that is biased into a closed position. The piston is provided with a 10 piston bore through which an input port may be connected with a rear-side spring chamber. To this piston bore a throttle valve means is associated which provides a comparatively small cross-section of flow for the control oil in the pressure limiting function of the pressure 15 feed valve, and a comparatively large cross-section of flow in the anti-cavitation function.